

Title (en)
METHOD OF AND APPARATUS FOR FORMING HALFTONE IMAGES

Publication
EP 0593989 A3 19940706 (EN)

Application
EP 93116255 A 19931007

Priority
JP 30825592 A 19921021

Abstract (en)
[origin: EP0593989A2] Screen angles theta 1, theta 2 and theta 3 of first through the third halftone images, which are strongly related to the generation of moire, are determined by setting values of integers m1, n1, m2, n2, m3 and n3 which defines the screen angles by $\tan \theta_1 = n_1/m_1$, $\tan \theta_2 = n_2/m_2$, $\tan \theta_3 = n_3/m_3$. Suppose that first through third square areas for the first through third halftone dots have side lengths of L1, L2 and L3, which are integers, the first through third square areas includes $(m_1 \cdot L_1 + n_1 \cdot L_2)$, $(m_2 \cdot L_2 + n_2 \cdot L_3)$, and $(m_3 \cdot L_3 + n_3 \cdot L_1)$ pieces of halftone dots, respectively. The values of the integers is determined to satisfy: $m_1/L_1 - m_2/L_2 = n_3/L_3$; and $-n_1/L_1 + n_2/L_2 = m_3/L_3$. <IMAGE>

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IPC 8 full level
G03F 5/22 (2006.01); **G06T 5/00** (2006.01); **H04N 1/405** (2006.01); **H04N 1/46** (2006.01); **H04N 1/52** (2006.01)

CPC (source: EP US)
H04N 1/4058 (2013.01 - EP US); **H04N 1/52** (2013.01 - EP US)

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